



**EXPRESS MAIL NO.: EV447410962US**  
**Deposited On: August 19, 2004**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Application No.: 10/697,461**

**Confirmation No.: 7982**

**Applicant: Martin A. Cotton**

**Filed: 10/30/2003**

**TC/A.U.: 2829**

**Examiner: K. Cuneo**

**Title: NON-CIRCULAR MICRO-VIA**

**Docket No.: 8245.061**

**Customer No.: 30589**

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**List of Sections Forming Part of This  
Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

1. [X] Preliminary Statements
2. [X] Form PTO-1449 (Modified)
3. [X] Statement as to Information Not Found in Patents or Publications
4. [X] Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
5. [X] Identification of Person(s) Making this Information Disclosure Statement

## **Section 1. Preliminary Statements**

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

## **Section 2. Form PTO-1449 (Modified)**

☒ [X] A completed Form 1449 (Modified) is attached hereto.

☐ [ ] No Form 1449 (Modified) is attached.

## **Section 3. Statement as to Information Not Found in Patents or Publications (Information Not Listed in Form PTO-1449)**

The present invention relates generally to a method of mineralizing air contaminants by oxidation, and more particularly, but not by way of limitation, to an improved method of removing contaminants from an air stream by passing the air stream through an ultra-low density, UV-accessible aerogel photocatalyst.

## **Section 4. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted**

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. 09/786,787, filed on May 10, 2001.

*(complete the following, if applicable)*

- ☐ This application also relies, under 35 U.S.C. 120, on the earlier filing date of prior application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ (date).

The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore, are not required to be provided in this application.

**Section 5. Identification of Person(s) Making this INFORMATION DISCLOSURE STATEMENT**

The person making this statement is the attorney who signs below on the basis of the information:

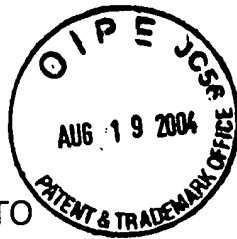
- ☐ supplied by the inventor(s)
- ☐ supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)).
- ☒ in the attorney's file
- ☐ provided in the International Search Report cited herein

Respectfully submitted,



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Second Supplemental IDS)**

(use as many sheets as necessary)

Complete If Known	
Application Number	10/697,461
Filing Date	10/30/2003
First Named Inventor	Martin A. Cotton
Group Art Unit	2829
Examiner Name	K. Cuneo
Attorney Docket Number	8245.061

**U. S. PATENT DOCUMENTS**

EXAM INIT.	Cite No. 1	U.S. PATENT NUMBER Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5659953		Crane et al.	08/1997	
		5828555		Itoh	10/1998	
		6444922		Kwong	09/2002	

**FOREIGN PATENT DOCUMENTS**

EXAM INIT.	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office 3	Number 4	Kind Code <sup>5</sup> (if known)				
			WO 00/16443		Cotton	03/23/2000		

**U.S. and Foreign:** <sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

EXAM INIT.		<p style="text-align: center;"><b>PATENT DOCUMENTS</b></p> <p>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</p>
21		
<b>Non Patent Documents:</b> <sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.		
Examiner Signature:		Date Considered:
EXAMINER: Initial if citation considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant. **Place of Publication refers to name of publication in which the information was published.		